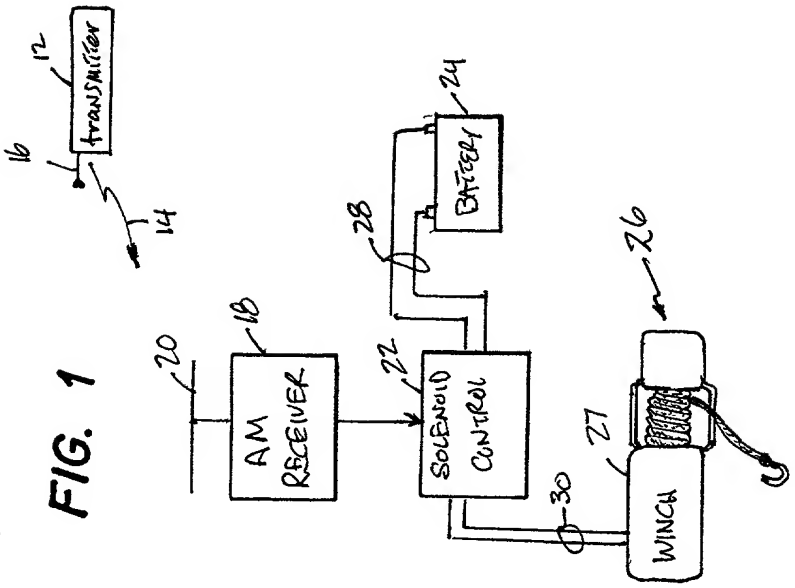


FIG. 1

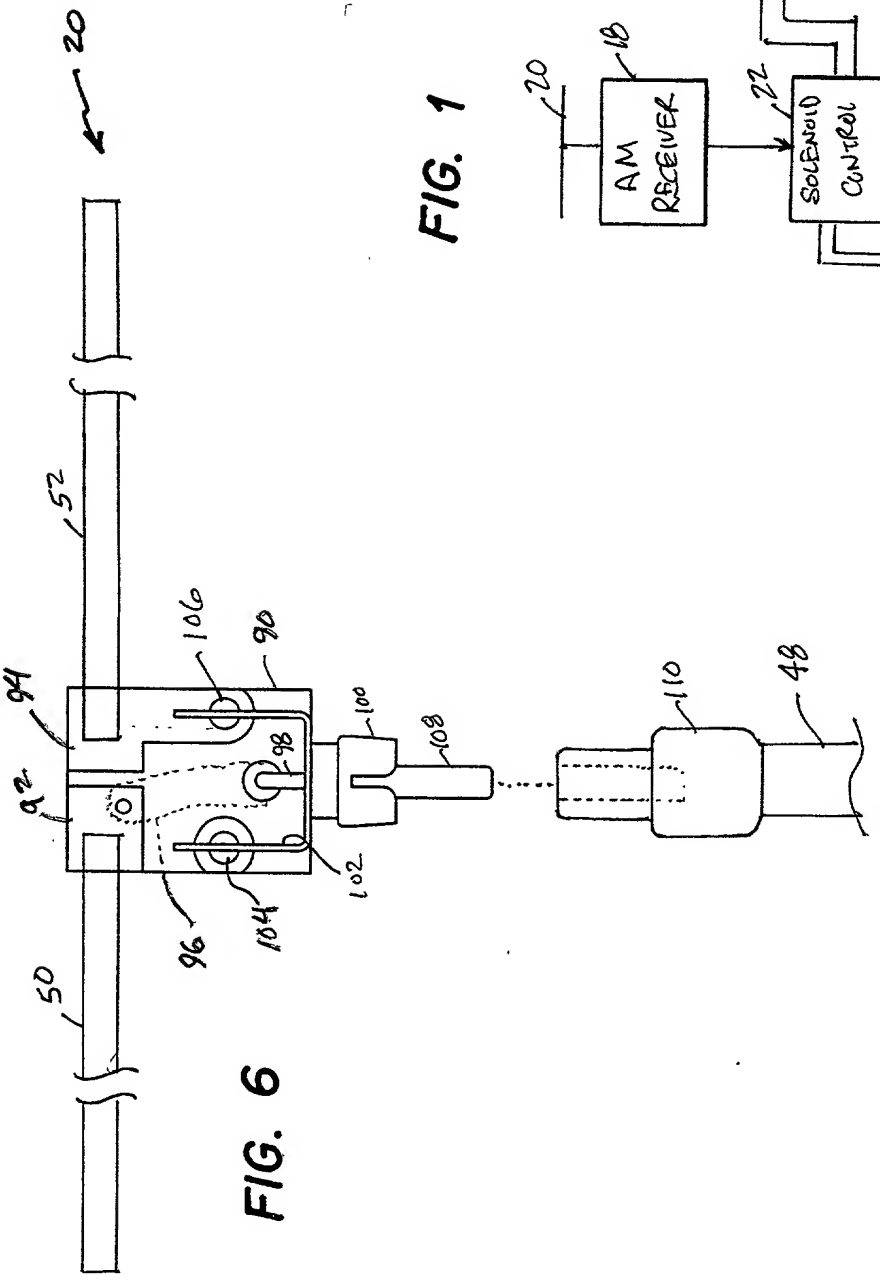
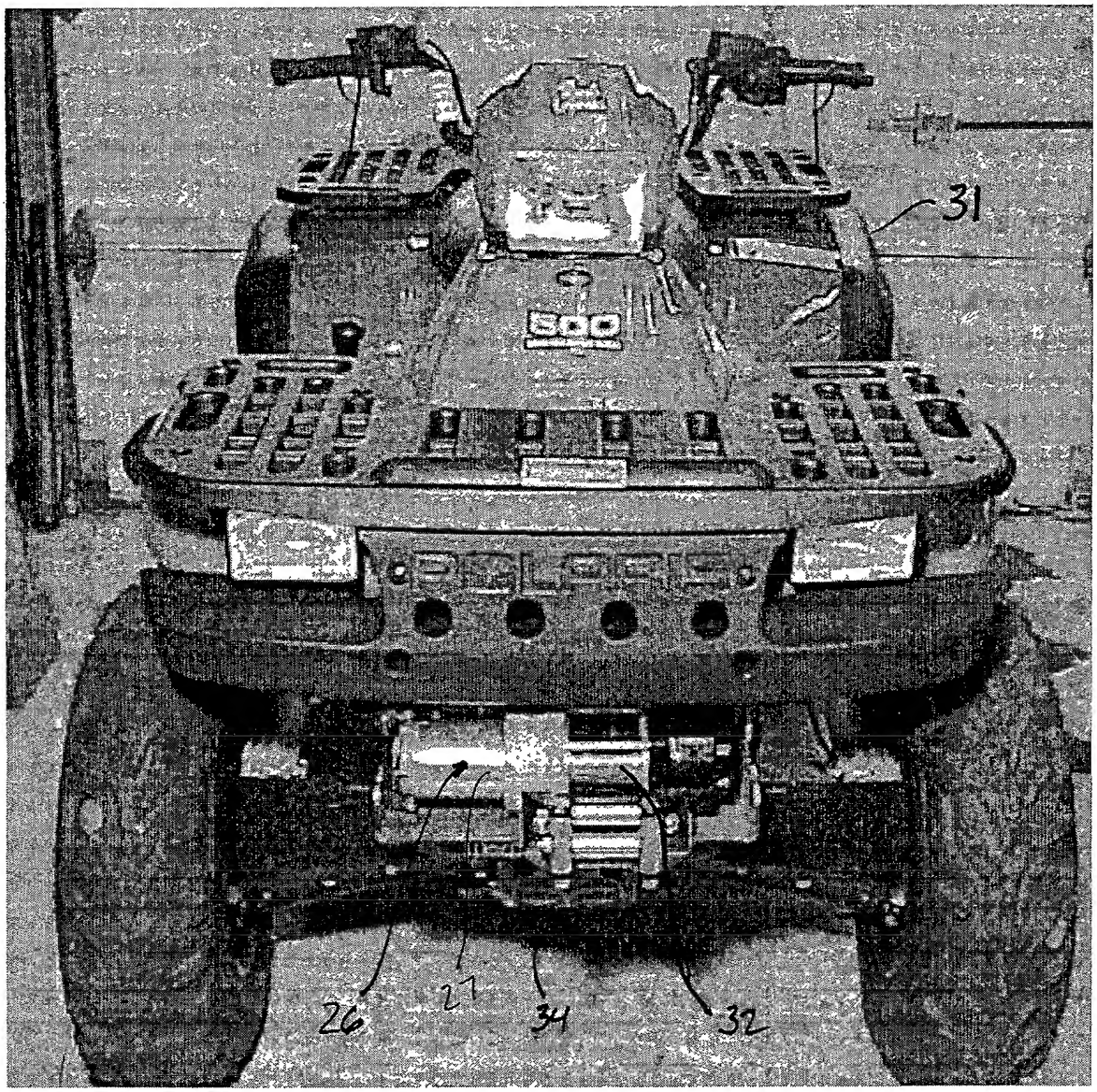


FIG. 6

Document "as filed"

FIG. 2



Page 37 of 70

3/10

FIG. 3

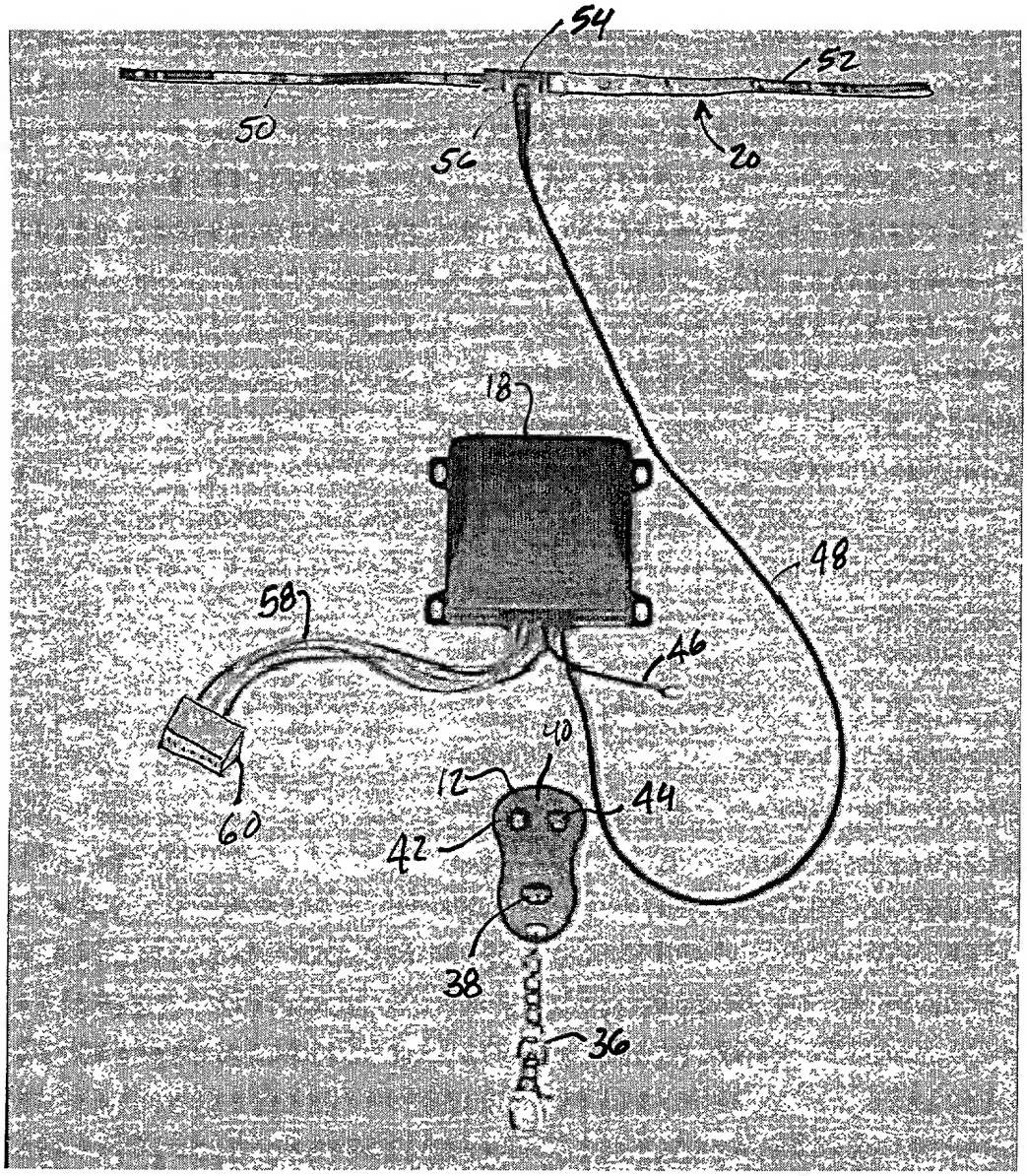


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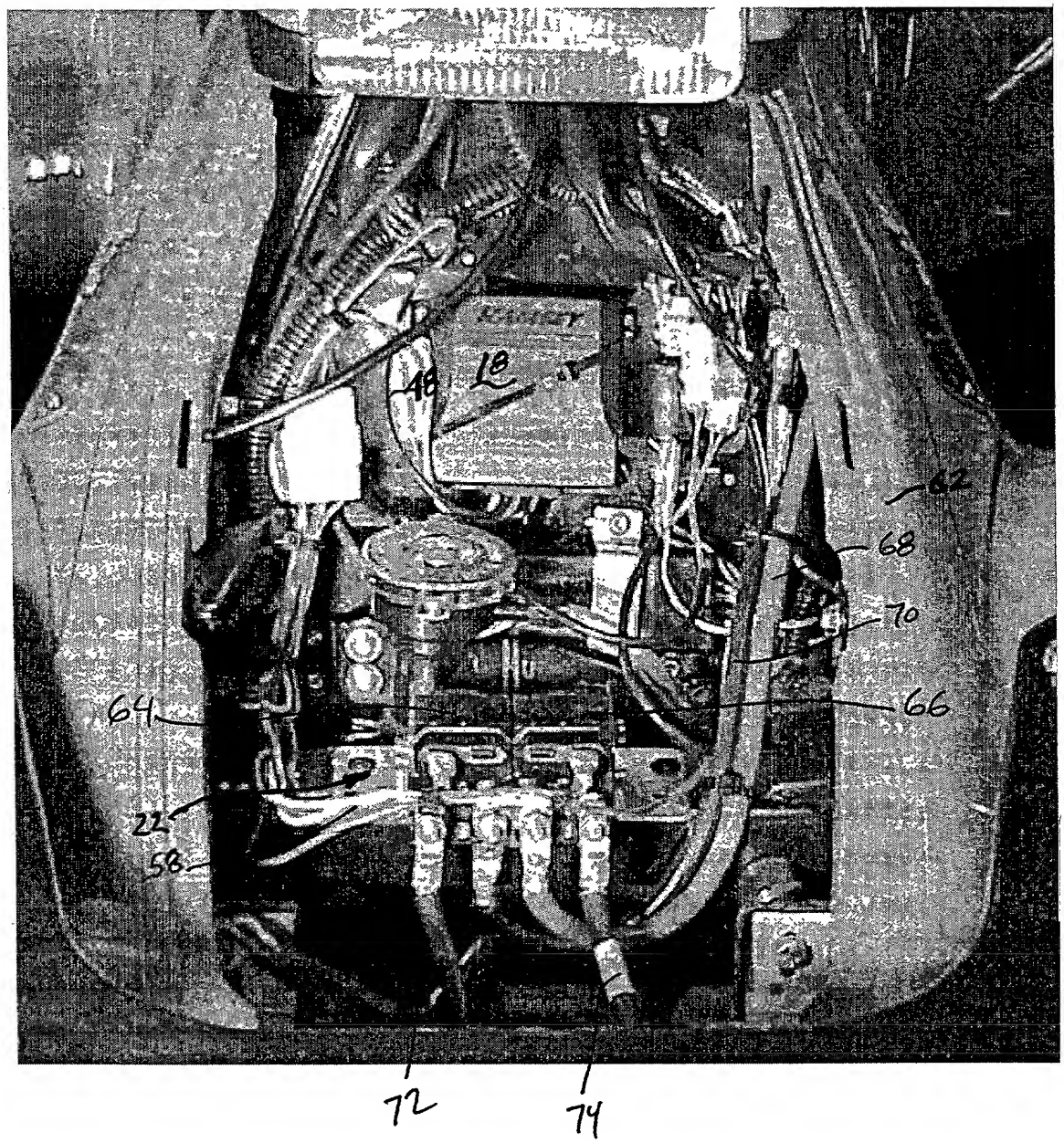
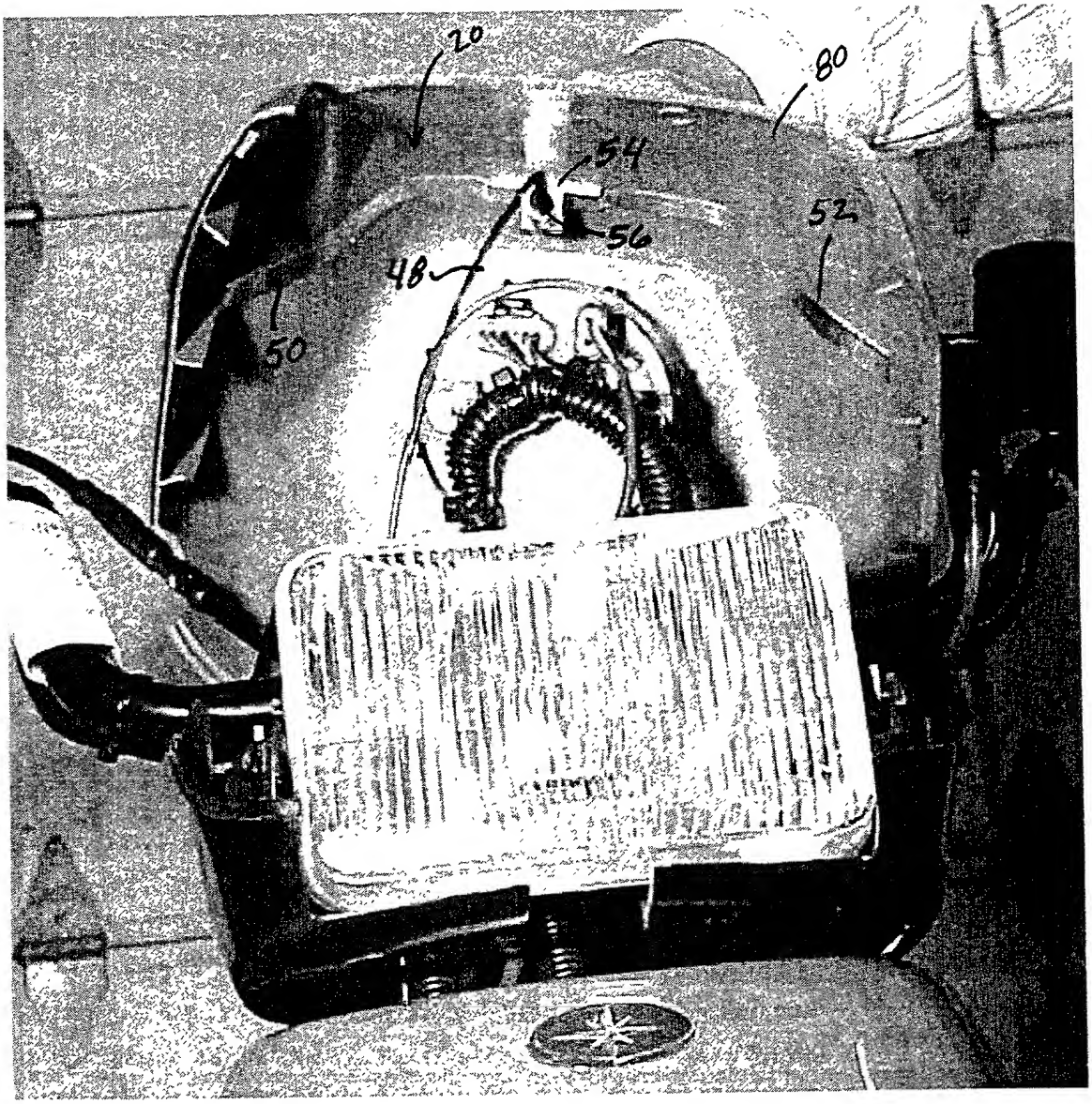
FIG. 4



Document 1 of 2 pages

FIG. 5



Tuesday, 04/06/2004

FIG. 7b

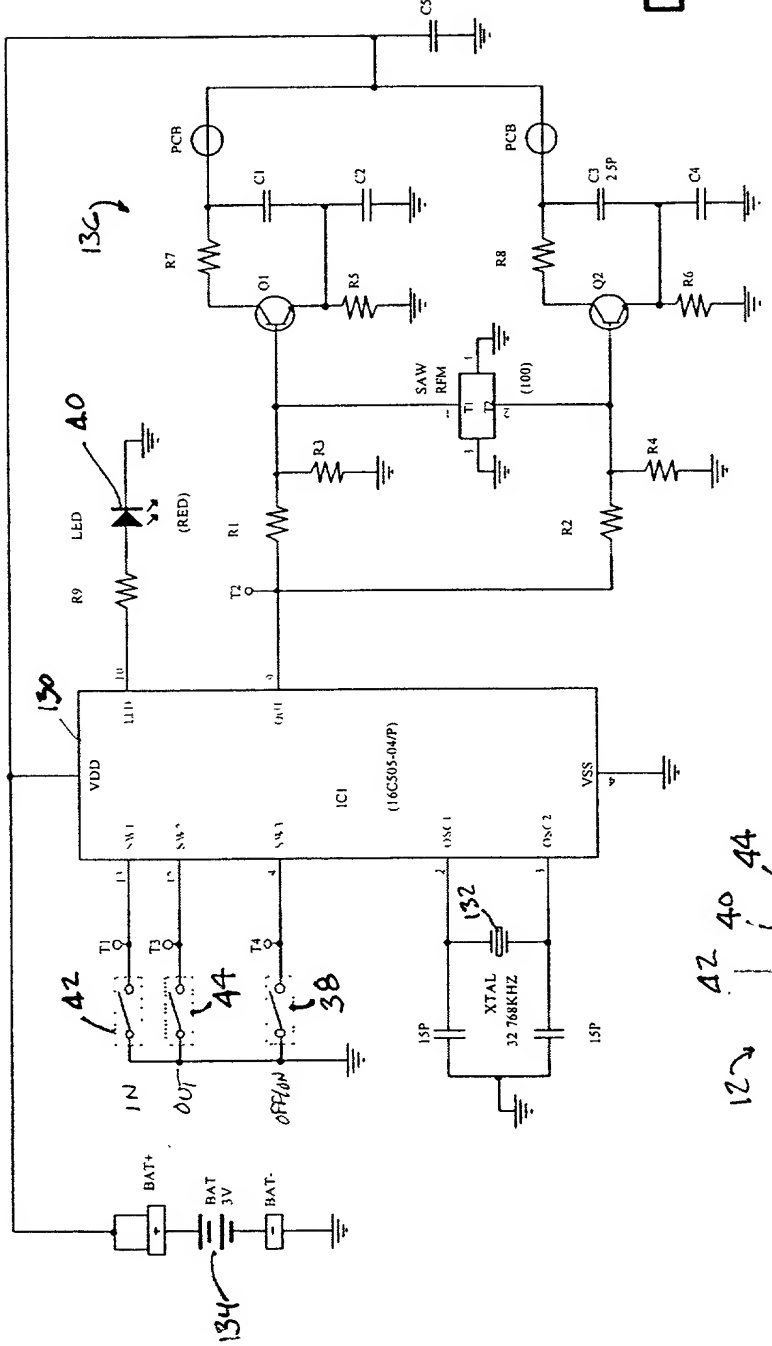
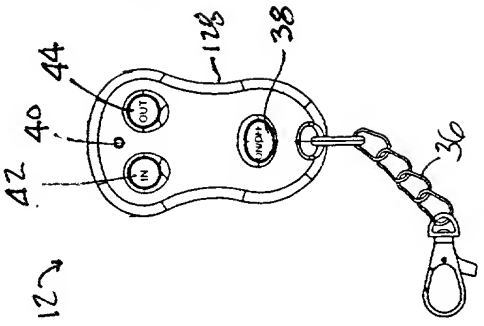

12
130
136
434MHZ
C5
PCB
C1
C2
C3
2.5P
C4
R7
Q1
R5
R8
Q2
R6
SAW
RFM
(100)
T1
R3
R4
40
LED
(RED)
R1
R2
R9
T2
VDD
VSS
IC1
(16C505-04/P)
SW1
SW2
SW3
OSC1
OSC2
T1
T3
T4
42
44
38
IN
OUT
OFF/ON
132
XTAL
32.768KHZ
15P
15P
BAT+
BAT
3V
BAT-
134

FIG. 7a


44
40
42
OUT
IN
128
38
36
12

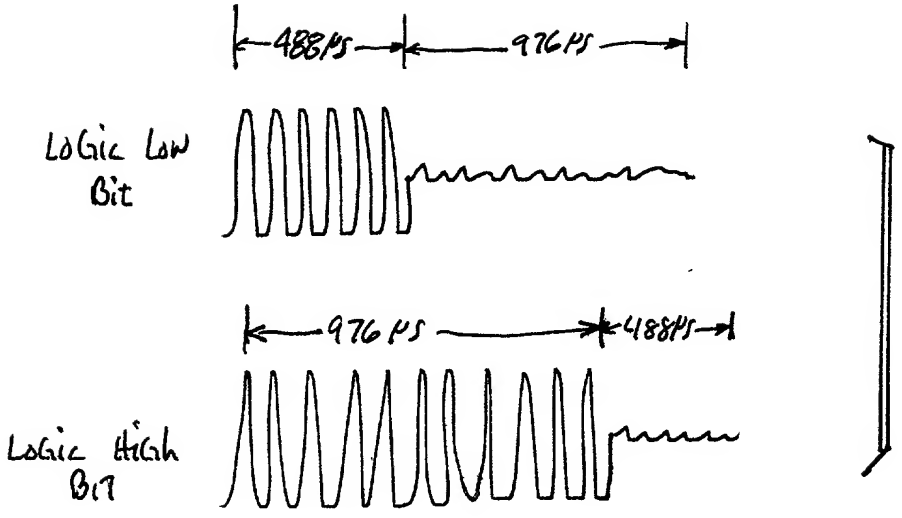


FIG. 8a

FIG. 8b

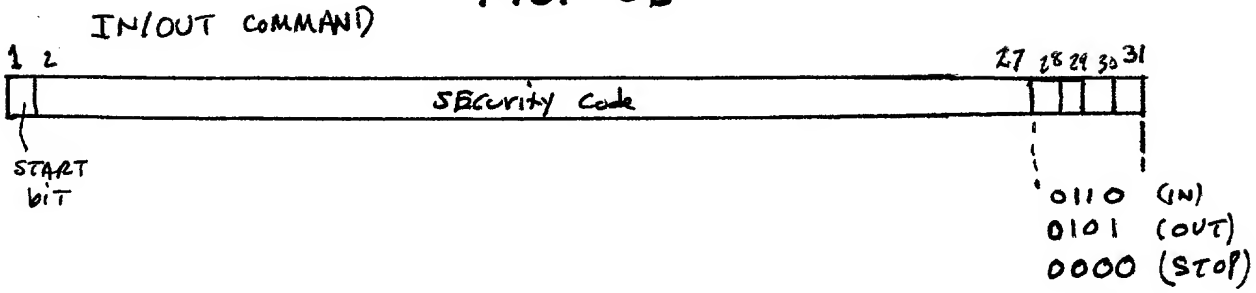


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FIG. 8c

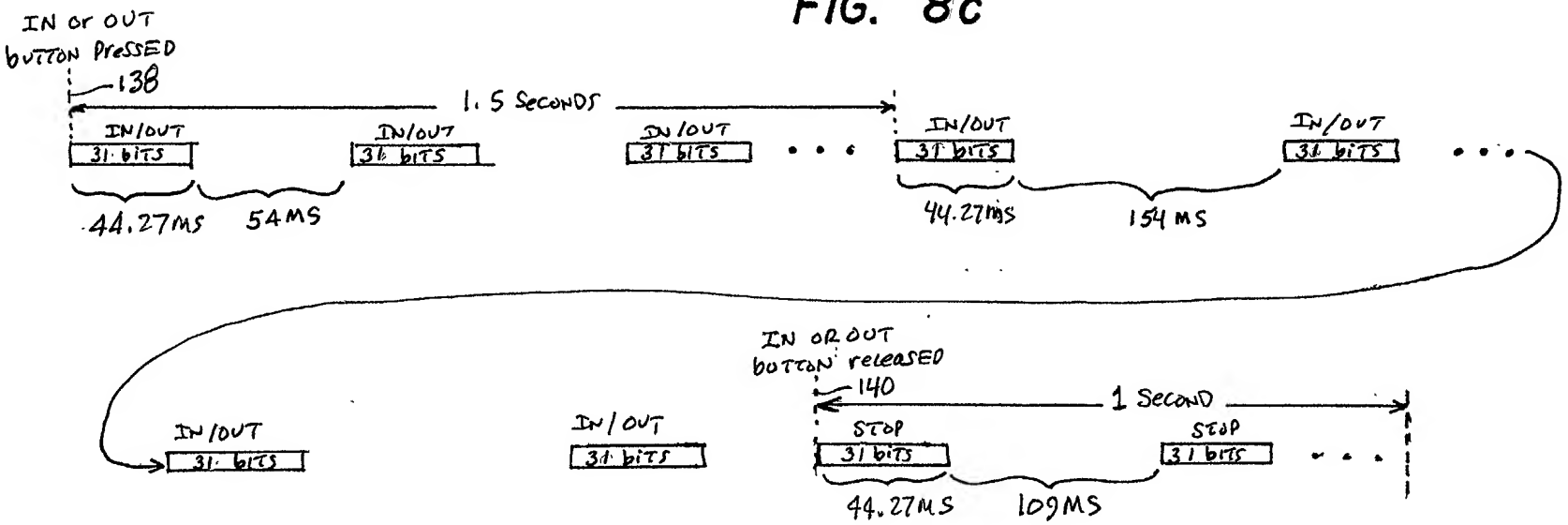

IN or OUT button PRESSED
138
1.5 SECONDS
IN/OUT 31 bits
44.27MS
54MS
IN/OUT 31 bits
IN/OUT 31 bits
IN/OUT 31 bits
44.27MS
154 MS
IN/OUT 31 bits
IN/OUT 31 bits
IN OR OUT button released
140
1 SECOND
IN/OUT 31 bits
STOP 31 bits
STOP 31 bits
44.27MS
109MS

FIG. 8d

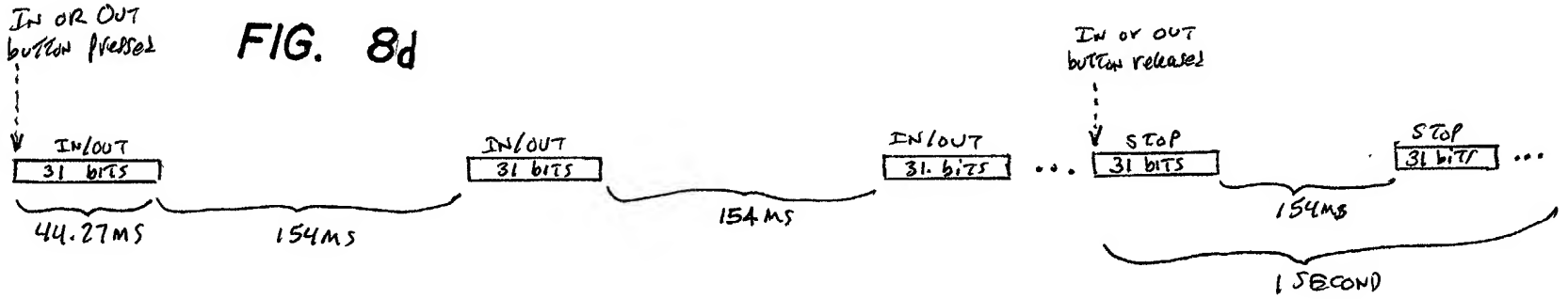
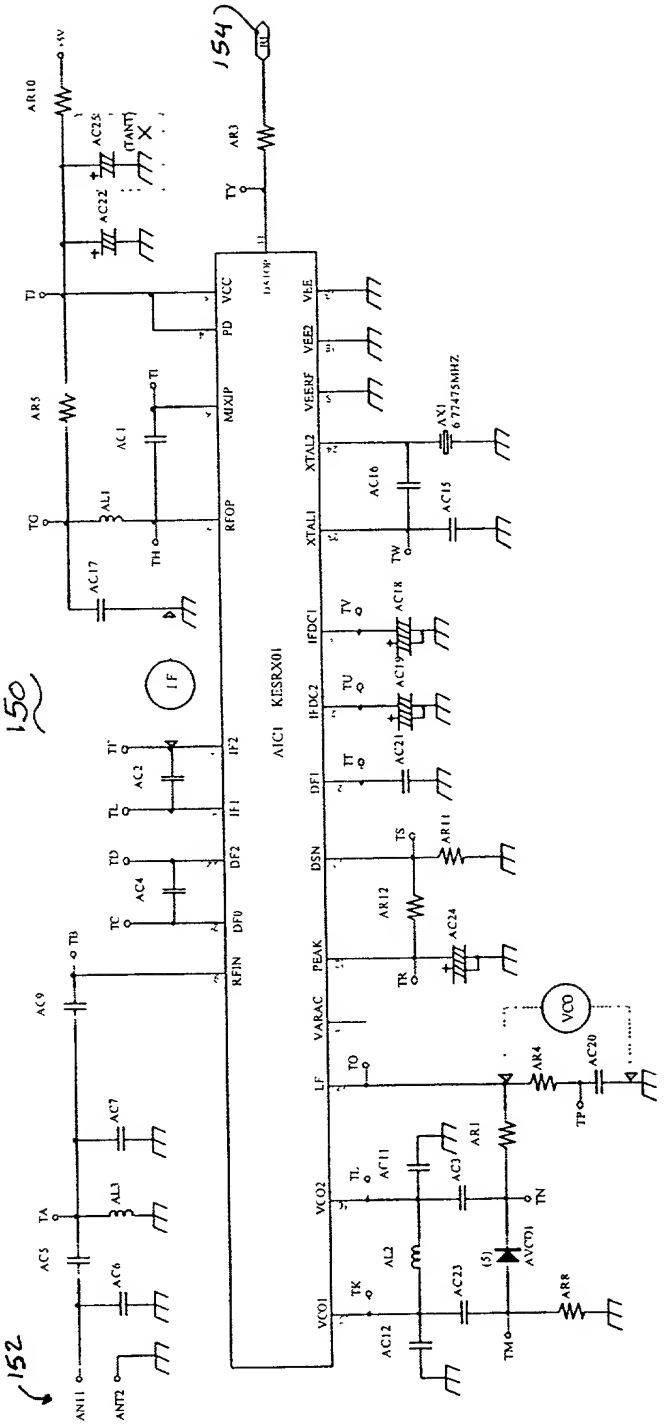

IN OR OUT button PRESSED
IN/OUT 31 bits
44.27MS
154MS
IN/OUT 31 bits
154MS
IN/OUT 31 bits
IN or OUT button released
STOP 31 bits
154MS
STOP 31 bits
1 SECOND

FIG. 9


150
152
154
AIC1 KESRX01
IF
VCO
ANT1
ANT2
AC1
AC2
AC3
AC4
AC5
AC6
AC7
AC9
AC11
AC12
AC15
AC16
AC17
AC18
AC19
AC20
AC21
AC22
AC23
AC24
AC25
AL1
AL2
AL3
AR1
AR3
AR4
AR5
AR8
AR10
AR11
AR12
AVC01
AX1
6.77475MHZ
MIXIP
RFOP
PD
VCC
VEE
VEE2
VEERF
XTAL2
XTAL1
IFDC1
IFDC2
DF1
DSN
PEAK
VARAC
LF
VCO2
VCO1
RFIN
DF0
DF2
IF1
IF2

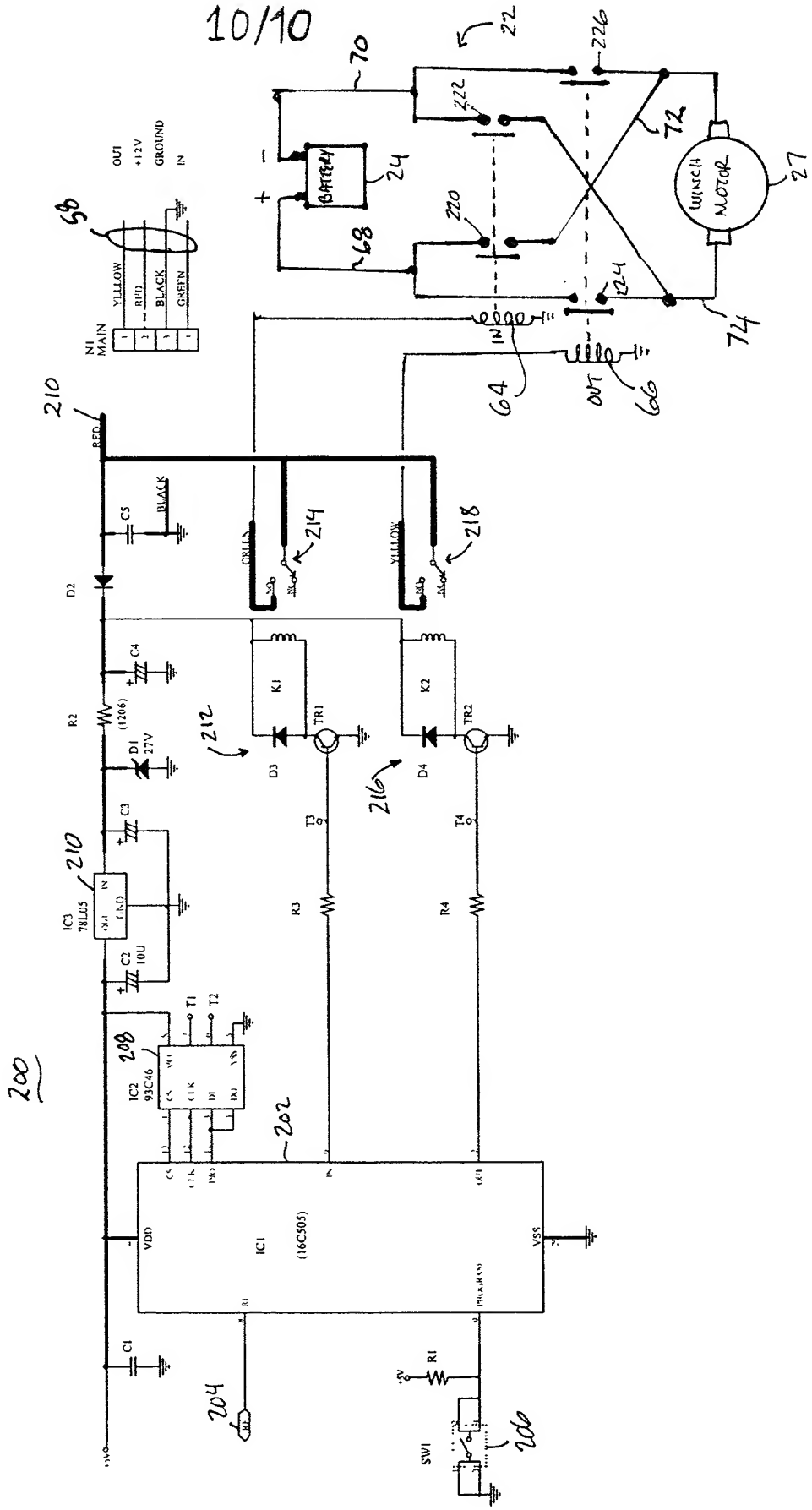

70
22
226
222
72
BATTERY
24
WINCH MOTOR
27
220
68
224
74
OUT +12V GROUND IN
YELLOW
RED
BLACK
GREEN
N1 MAIN
66
64
IN
OUT
210
RED
C5
BLACK
GRN
214
YELLOW
218
D2
C4
R2
(1206)
D1 27V
212
K1
K2
TR1
TR2
D3
D4
216
T3
T4
C3
IC3 78L05
IN
GND
OUT
C2 10U
210
T1
T2
IC2 93C46
108
202
R3
R4
VDD
IC1
(16C505)
VSS
C1
204
R1
5V
SW1
206
200

FIG. 10